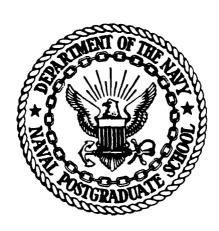


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NAVAL POSTGRADUATE SCHOOL Monterey, California



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THESIS

DEVELOPMENT OF GRAPHICAL POLE-ZERO,
ROOT-LOCUS, BODE, NYOUIST, AND NICHOLS
RESPONSES USING THE OPTSYSX PROGRAM

Ъу

Michael Henry Laptas

September 1984

Thesis Advisor:

Daniel J. Collins

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This series of programs permits users to rapidly carry out simulation, analysis, and design of Optimal Systems Control

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Development of Graphical Pole-Zero, Root-Locus, Bode, Nyquist, and Nichols Responses using the OPTSYSX Program

by

Michael H. Laptas
Lieutenant, United States Navy
B.S., Purdue University, Lafayette, 1977

Submitted in partial fulfillment of the requirements for the degree of

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ABSTRACT

This thesis discusses the modification of and additions to an existing Optimal Systems Control FORTRAN Program (OPTSYS) originally obtained from Professor Arthur E. Bryson of Stanford University. This program has been subsequently redesigned to run interactively on the IBM 3033 VM/CMS by Lieutenant Commander John G. Hoden, and additions by Commander Harry A. Diel provide the user with a highly accurate graphic time response to a system designed using the OPTSYSX program.

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SYMBOLS

```
A = State (Ns, Ns) or Output (No, No) Weighting Matrix
   B = Control (Nc,Nc) Weighting Matrix
    C = Control Gain Matrix (Nc.Ns)
    D = Control (No,Nc) or Noise (No,Ng) Feedforward
        Matrix
    F = Open-Loop Dynamics Matrix (Ns, Ns)
    G = Control Distribution Matrix (Ns, Nc)
  GAM = State Disturbance Distribution Matrix (Ns,Ng)
    H = Measurement Scaling Matrix (No, Ns)
    K = Estimator Gain Matrix (Ns, Nob)
   Nc = Number of Controls
   Ng = Number of Process Noise Sources
   Ns = Number of States
   No = Number of Observations or Measurements
    Q = White Process Noise Covariance Matrix (Ng, Ng)
    R = White Meas. Noise Covariance Matrix (No, No)
    S = Steady-State Covariance Matrix of Control (Nc, Nc)
    u = Control Vector (Nc, 1)
    v = White Measurement Noise Vector (No, 1), with
        Zero Mean and Covariance Matrix R
    w = White Process Noise Vector (Ng. 1), with
        Zero Mean and Covariance Matrix Q
   w0 = Constant Disturbance Vector (Ng. 1)
    x = State Vector (Ns, 1)
 xdot = Derivative cf State Vector (Ns,1)
   xe = Estimate of State Vector (Ns. 1)
xedot = Derivative of Estimate of State Vector (Ns,1)
    y = Output Vector (No, 1)
    z = Measurement Vector (No.1)
```

I. INTRODUCTION

The purpose of this thesis is to describe the modification and additions to the existing FORTRAN program (OPTSYS) which is used in the study and application of Optimal Systems Control theory.

The OPtimal SYstems control program was originally developed by Hall [Ref. 1] to support his research in rotary-wing aircraft control systems. Later program modifications were made by Walker [Ref. 2] and Liu [Ref. 3] of Stanford University, and are designated OPTSYS 4 and OPTSYS 5 respectively. OPTSYS modifications made by Hoden [Ref. 4] were primarily devoted to creating a user-friendly interactive version (OPTSYSX) of the OPTSYS 4 program. The latest modifications by Diel [Ref. 5] allowed the user to save matrices for subsequent runs of the OPTSYSX program, and formed data file sets for the time response program OPTCALC.

The intent of this thesis work was to develop an interactive program to plot the Pole-Zero map, Root-Locus, Bode, Nyquist, and Nichols responses to the open loop, closed loop noise, and compensator transfer functions of a State Variable Control System which has been developed using OPTSYS Program. Mincr modifications to the OPTSYSX Program were necessary to construct a data file sets for plotting the Pole-Zero Map, and in calculations for the Root-Locus, Bode, Nyquist, and Nichols plots.

It is assumed that the user is familiar with the tasic concepts of Control Theory and Optimal Systems Design. The symbol/naming conventions of Bryson [Ref. 6]. are used in the discussion of program operations and descriptions of problems using the OPISYS System.

An overview of the OPTSYSX Program capabilities and of modifications to the existing programs is presented first. This is followed by a description of the program (OPTGRAPH), which was developed to plot the Pole-Zero Map and to perform calculations for the Root-Locus, Bode, Nyquist, and Nichols plots.

This work concludes with examples of various types of problems demonstrated in the interactive mode, including a copy of each terminal session with the final results. Complete program listings for the OPTSYS EXEC program, CPTSYSX program, and CPTGRAPH program are included in appendices A,B, and C respectively.

II. THE OPTSYSK COMPUTER PROGRAM

A. BACKGROUND

CFTSYSX is a double-precision, interactive FORTRAN program employing modern control theory analysis techniques. Its capabilities include the calculation of the cren-loop eigensystem, and the stationary closed loop system; the synthesis of regulators and filters; along with power spectral density, and modal distribution computations. The modifications introduced to the OPTSYSX program by this thesis work do not affect the program's original capabilities.

B. OVERVIEW

OFTSYSK is an extremely large and complex program with over 3000 lines of code. To use the program in its small version (dimensioned for a 32 X 32 "F", "G", and "H" matrices), the user must extend his Virtual Machine (VM) memory capacity beyond the default VM memory capacity of 720 kilobytes to 1024 kilobytes.

Any significant increase in the OPTSYSX program size, with the the resulting requirement for additional memory capacity, would cause user difficulties. For this reason the task of obtaining the Pole-Zero maps, Root-Locus, and Bode, Nyquist, Nichols plots for the open loop, noise and compensator transfer functions was relegated to a separate program (OPTGRAPH). Three data files (OPTGROL DATA, OPTGRNO DATA, and OPTGRCM DATA), containing the open loop, noise, and compensator transfer functions, are formed by the OPTSYS program to be transfered to the OPTGRAPH program. The OPTSYS EXEC program provides an interface between the

OPTSYSX program, the time response programs (OPTCALC and OPTPLCT), and the OPTGRAPH program.

C. OFTSYSK MODIFICATIONS

CFTSYSX program modifications consist of the addition of write statements, three flags, and a short routine to interpret user inputs.

Write statements, to input data to the OPTGROL, CPTGRNO, and CPTGRCM DATA files were added to the main program, subroutine INNER, subroutine ZEROS, and subroutine POLES. System information consisting of number of states (Ns), number of controls (Nc), number of measurements (No), number of process noise scurces (Ng), type transfer function (ITFX), Markov Parameter (IE), and two flags to be used by the CFTSYS EXEC and the OPTGRAPH programs is inputed from the main program. The write statements added to the subroutine INNER, and subroutine POLES input the poles for the open locp and noise transfer functions, and compensator transfer function respectively. The zeros, the numerator order, the gain, and the input and output numbers for all three transfer functions are obtained from the subroutine ZEROS.

The first of the two flags, input with the system information from the main program to the three data files, serves as a marker for the CPTSYS EXEC to locate the correct data line for reading system inputs. The second flag, set by the routine to interpret usor inputs, serves as a signal for the OPTSYS EXEC to either load the OPTGRAPH program if any one of the three transfer functions was calculated by the OFTSYSX program, and abort loading the OPTGRAPH program if none of the three transfer functions were calculated. The third flag (ITFX) is an existing OPTSYSX program flag. The flag (ITFX) is passed from the

subroutine TF to the subroutine ZEROS to identify the calculation of either an open loop, noise, or compensator transfer function zeros.

The short routine added to the main program of OPTSYSX reads the flags ITF1, ITF2, ITF3, and IRET. The flag sent OPTGRNO, or OPTGRCM DATA files is set to to the CPTGROL. allow loading of transfer function data file to the CPTGRAPH program if the user selects either of the transfer function options number two (calculate poles, residues, and zeros -ITF1 = 1, ITF2 = 1, or ITF3 = 1) number three (calculate poles, and zeros - ITF1 = 2, ITF2 =2, or, ITF3 = 2)calculating the open loop, noise, or compensator transfer The selection of any other transfer function option will not calculate the transfer function zeros. flag IRET is read to determine if the user desires to rerun a problem without exiting the OPTSYSX program. Should the user elect to rerun a problem without exiting OPTSYSX (IRET the three data files are set back to the beginning (REWIND) to accept the new problem system data.

D. OFTSYS EXEC MODIFICATIONS

The OPTSYS EXEC was written by Diel [Ref. 5] to interface between the OPTSYSX program and the time response programs OPTCALC and CPTPLOT. The modifications to the exec program were to add the option to select running the OPTGRAPH program to the exec menues and a short section to interface the OPTGRAPH program with the OPTSYSX program.

The added section to interface between the OPTSYSX and OPTGRAPH programs defined loader size (LDRTBLE), file definitions (FILEDEF), and text libraries (TXTLIB) for the CPTGRAPH program. The first line of the three data files is read to ensure that there has been at least one of the three transfer functions calculated by the OPTSYSX program prior to loading OPTGRAPH program.

The OPTSYS EXEC routine is also used to send plots to the VERSATEC plotter from the OPTPLOT program and the OPTGRAPH program.

III. THE OPGRAPH PROGRAM

A. PROGFAM OVERVIEW

CPTGRAPH is an interactive FORTRAN program which uses the transfer function poles and zeros calculated by OPTSYSX to calculate, tabulate, and plot the Pole-Zero Map, Pode, Nyquist, Nichols, and Root-Locus responses for either the open loop, closed loop noise, or compensator transfer functions.

1. Program Language

CFTGRAPH is programmed in FORTRAN following the conventions of the IBM System /360/370/ FORTRAN IV language. CPTGRAPH has been compiled and run under both FORTRAN IV (G1) and FORTRAN H (extended) compilers on the IBM 3033.

2. Graphics Package

This program uses the Display Integrated Software System and Plotting System Software (DISSPLA) developed and distributed by the Integrated Software Systems Corporation (ISSCC) of San Diego, California. The DISSPLA package is a library of FORTRAN subroutines using FORTRAN IV conventions.

3. <u>Library Subroutines</u>

CPTGRAPH uses the International Mathematical and Statistical Library (IMSL) subroutine ZRPOLY to calculate the roots of a polynomial equation. ZRPOLY is a double precision FCRTRAN subroutine to which is input a polynomial with real coefficients (double precision) in terms of decreasing powers of the polynomial. The subroutine finds the rocts of the polynomial and returns a double precision

complex array containing the roots. ZRPOLY is capable of accepting polynomials greater than 0 order and less than 101 order.

4. Program Composition

CPTGRAPH has one main program and 24 subroutines. The main program and its subroutines may be divided into four lasic categories:

- 1) File Data Input
- 2) Interactive Data Input
- 3) Plot Setup and Sequencing
- 4) Calculation

A brief and general description of the program and its subroutines will follow in subsequent sections.

B. GENERAL PROGRAM OPERATION

OFTGRAPH was written to satisfy two specific objectives. The first is to create a program to be used as a instructional tool for students taking controls related courses, and the second is as method to assist in the analysis of actual large order control system problems.

To accomplish these objectives the emphasis while writing this program was to make the program as user oriented as possible by attempting to eliminate ambiguities and providing features which would protect the user from inadvertent wrong entries. An effort was also made to minimize the Virtual Machine (VM) memory required to execute the program to facilitate the analysis of a large order system.

1. <u>User Protection Features</u>

Three basic methods were used to protect the user from an abnormal program termination in the case of an inadvertent wrong entry. The first was to construct the

subroutines to display a summery of the user inputs and allowing changes prior to leaving the subroutine. case where the user input is expected to fall within a given range, the input is examined and the user is either allowed to continue for an input within the range or issued an error or warning and reasked the question for an input outside the The final method is used by the three subroutines which read the user input from the screen. The subroutines RDREAL, and RICHAR expect an integer input, number input, and a lcgical "yes" or "no" respectively. the event that a "null" line is inadvertently entered, user is issued a warning and allowed another opportunity to enter the the correct input before abnormally terminating the program. The entry of two "null" lines also offers the user the option to to exit the OPTGRAPH program at other than normal program exit points. The subroutine RDCHAR also examines the input and issues a warning if the input is not either "yes" or "no".

2. <u>large Order System</u>

The large order control problem being considered for analysis by the OPTSYSX and the OPTGRAPH programs is the X-29A aircraft longitudinal axis backup mode system. This system has a (98 X 98) "F" matrix, a (2 X 98) "H" matrix, and a (98 X 1) "G" matrix.

To accommodate this large order system the OPTGRAPH program was dimensioned to accept a system with a maximum of 99 states (Ns), 12 controls (Nc), 12 process noise sources (Ng), and 12 measurements (No). The Virtual Machine (VM) memory requirements for the program were minimized by the reuse of memory locations allocated for storage of calculated data after that data has been either tabulated or plotted. This method of memory reuse has allowed the OPTGRAPH program to be dimensioned to accommodate a large

order system and still operate with less than the 1024 KILOBYTES VM memory required to run OPTSYSX in its small version.

C. SYSTEM/MODEL DESCRIPTION

The system equations used by the OPTSYSX program for the calculation of the transfer functions are of the state variable form. The system equations are:

system model

$$xdot = [F]*x + [G]*u + [GAM]*w$$
 (3.1)

measurement equation

$$z = [H]*x + [D]*u + v$$
 (3.2)

estimator equation

$$xedot = [F]*xe + [G]*u + [K]*(z - [H]*xe)$$
 (3.3)

open loop transfer function

$$[H]*[s[I] - [F]]^{-1}*[G]$$
 (3.4)

closed lcop noise transfer function

$$[H]*[s[I] - [F]]-1*[Gam]$$
 (3.5)

compensator transfer function from measurement to input

$$[C]*(|s[I]-[F]+[G]*[C]+[K]*[H]|-1)*[K]$$
 (3.6)

where

u = Control vector (Ns X 1)

w = White process noise vector (Ng Y 1)

x = State vector (Ns X 1)

xdot = Derivative of the state vector (NS X 1)

y = Output vector (No X 1)

z = measurement vector (No X 1)

[C] = control gain matrix (Nc, Ns)

[D] = control feed-forward distribution matrix (Nc, Nc)
 of the control vector (u)

[G] = control distribution matrix (Ns, Nc)

[GAM] = state disturbance distribution matrix (Ns,Ng)

[H] = measurement distribution matrix (No, Ns)

[I] = identity matrix (Ns, Ns)

D. PROGRAM ORGANIZATION

1. Main Program

The main program presents a menu allowing the user to select for analysis either the open loop transfer function, the closed loop noise transfer function, the compensator transfer function, or exit the OPTGRAPH program. The data file for the selected transfer function is examined by the main program to ensure that the file contains the required transfer function data. Should the data file be incomplete the program gives the user a warning message indicating the nature of the missing data and allows the user to select another option.

The main program menu:

OFIGRAPH

DO YOU DESIRE TO ANALYZE:

- 1. OPEN LOOP TRANSFER FUNCTION
- 2. NOISE TRANSFER FUNCTION
- 3. COMPENSATOR TRANSFER FUNCTION
- 4. EXIT OPTGRAPH

ENTER OPTION NUMBER.

Data is read from the selected file by the main program and formed into three arrays and seven integer variables. The exchange of data between the main program and the subroutines, and between the subroutines is by the extensive use of labeled common statements. The data transfered through the subroutine call statements is limited primarily to flags, and constants. The program moves to its primary sequencing subroutine (GRAPH) upon the completion of file data entry.

2. Program Sequencing

The subroutine GRAPH first presents the user with a summary of the the transfer system received from the data file. The user is then asked which transfer function he desires to to analyze using the conventions of the OPTSYSX program describing the transfer functions by input number and output number. A menu is presented which allows the user to select graphical and/or tabular system response (Pole-Zero map, Root-locus, Bode, Nyquist, or Nichols), select another transfer function, or exit the OPTGRAPH program. Upon completion of a graphical and/or tabular response option, or change of transfer function option, the program returns to the GRAPH menu to allow the user to choose another option or exit to the main program.

Subroutine GRAPH data summary and menu:

OPIGRAPH

THE OPEN LOOP TRANSFER SYSTEM OBTAINED FROM OPTSYS CONTAINS:

1. NUMBER OF STATES =

- 2. NUMBER OF CCNTROLS (INPUTS) =
- 3. NUMBER OF MEASUREMENTS (OUTPUTS) = 1
- 4. MARKOV PARAMETER = 10.0**-6

CLEAR SCREEN TO CONTINUE

OPTGRAPH

AN OPEN LOOP POLE-ZERO, ROOT LOCUS, BODE, NYQUIST, AND/ OR NICHOLS PLOT IS DESIRED FOR:

INPUT # ?

CUTPUT # ?

OPTGRAFH

OPEN LOCP TRANSFER FUNCTION

INPUT # = 1

OUTFUT # = 1

DO YOU DESIRE GRAPHICAL RESPONSE AND/OR TABULAR DATA FOR:

- 1. POLE-ZERO MAP
- 2. ROOT-LOCUS
- 3. BODE
- 4. NYQUIST (POLAR PLOT)
- 5. NICHOLS
- 6. ANOTHER INPUT/OUTPUT COMBINATION (SAME TRANSFER FUNCTION)
- 7. ANOTHER TYPE TRANSFER FUNCTION /EXIT OPTGRAPH ENTER OPTICN NUMBER.

3. <u>Graphic and/or Tabular System Response</u>

The selection of a graphical and/or tabular system response option for an Pole-Zero map, Root-Locus, Bode, open loop Nyquist, or open loop Nichols calls the subroutines

PZERC, RTLO, BODE, NYCST, or NICHOL respectively. While the response of these subroutines is different, their organization is similar.

The subroutines PZERO, RTLO, BODE, NYQST, and NICHOL primarily act as sequencing and plot setup subroutines. The interactive questioning of the user for graphic/tabular response information and the system response calculation has been relegated to other subroutines. The subroutines PZERO, RTLO, BODE, NYQST, and NICHOL are divided into two major sections with the first being devoted to producing a graphical output and the second to producing a tabular output.

The user is presented a subroutine menu offering the cption for graphic response, tabular response, or exiting the subroutine. The program moves to either the first section (graphic response), second section (tabular response) or back to the subroutine GRAPH menu depending on the option selection. The program returns to the subroutine menu upon completion of the of either the graphic response, or tabular response section, allowing the user to select another response option, or exit the subroutine.

Features that are common to the five subroutines will be described here and features that are unique to one of the subroutines will be described in the following section under the appropriate response heading.

For a graphic response, the user is given the choice of two printer options (TEK 618, or VERSATEC). With the selection of the TEK 618, the plot page size is defaulted to 11 inches by 8.5 inches, and the plot will be presented on the TEK 618 screen. The VERSATEC option gives the user the option to create up to a 21 inch by 21 inch plot (maximum for the VERSATEC printer) and causes a DISSPLA METAFILE to be created. A scaling subroutine (PSCALE) scales the plot heading, legend, etc. in proportion to the page width selected. The VERSATEC option offers the the advantage of a

high quality print from the VERSATEC printer using the VERSATEC printer option in the OPTSYS EXEC. The creation of a DISSPIA METAFILE also gives the user (after he exits optsys) the opportunity to use printers other than the TEK 618 or VERSATEC. A major disadvantage with the VERSATEC cption is that the user must exit the OPTGRAPH program before he can print a graphic system response. For this reason, it is recommended that the system response first be plotted on the TEK 618 prior to selecting the VERSATEC option.

For a tabular response, the user is presented a menu which gives him the choice of three devices (screen, printer, or disk) to send the tabular output. The user is asked if he desires to make any changes, after the tabular data has been calculated. If the answer is affirmative, he is presented a menu and allowed to make changes and rerun the tabular data routine.

Examples of these features are included in the following sections with the interactive examples for the system responses.

E. INTERACTIVE EXAMPLES

The open-loop, closed loop noise, and compensator transfer functions are are handled identically by the OPTGRAPH program, with the only difference being the program and graph headings identifying the transfer function type. The frequency response programs for the Bode, Nyquist, and Nichols responses use identical setup and tabular data routines.

A good overall representation of the OPTGRAPH program capabilities will be demonstrated by single interactive terminal session examples for the pole-zero, root locus, and bode responses using selected transfer functions. Tabular

data examples will be provided for the Pole-Zero, Root Locus, and Bode responses, and graphic response examples will be provided the Fole-Zero, Root Locus, Bode, Nyquist, and Nichcls responses.

F. CHARACTERISTIC EQUATION ANALYSIS

The subroutines PZERO and RTLO are similar in their basic formats. The pole and zero locations for the selected transfer function input and output numbers are read into two single dimension arrays. The extraneous zeros, calculated by the OPTSYSX program, are eliminated by comparing the zeros to the Markov parameter sent with the system information from the OPTSYSX program. For a graphical response, the user is asked to define the plot limits in terms of X-coordinates (real axis) and Y-coordinates (imaginary Points for the plot which fall outside these limits System information (tranfer function will be ignored. input number, output number, and (DC) gain) is listed in the graph legend.

1. Pole-Zero Map

The subroutine PZERO converts the double precision numbers for pole and zero locations to single precision for compatibility with the with the Graphics Package and plots the poles and zeros within the plot limits defined by the user for the graphical response routine. For tabular data response the user is given system information (numerator order, denominator order, and transfer function (DC) gain) for the selected transfer function input number and output number, and the pole and zero locations.

2. Fole-Zero Mar (Interactive Example)

The following example of a simplified open loop transfer function for an airplane with an autopilot in the longitudinal mode was obtained from [Ref. 7,p.315].

The aircraft system is represented by:

$$[D] = [0]$$

$$[GAM] = [0]$$

$$[H] = [1. 0. 0. 0.]$$

a. Example of Graphic Response (Terminal Session)

BEGIN RECORDING OF TERMINAL SESSION
R; T=0.01/0.02 19:40:17
EXECUTION BEGINS...

OPTGRAPH

DO YOU DESIRE TO ANALYZE:

- 1. OPEN LOOP TRANSFER FUNCTION
- 2. NOISE TRANSFER FUNCTION
- 3. COMPENSATOR TRANSFER FUNCTION
- 4. EXIT OPTGRAPH

ENTER OPTION NUMBER.

1

OPTGRAPH

THE OPEN 100P TRANSFER SYSTEM OBTAINED FROM OPTSYS CONTAINS:

- 1. NUMBER OF STATES =
- 2. NUMBER OF CONTROLS (INPUTS) = 1
- 3. NUMBER OF MEASUREMENTS (OUTPUTS) = 1
- 4. MARKOV PARAMETER = 10.0**-6

CLEAR SCREEN TO CONTINUE

OPTGRAPH

AN OPEN LOOP POLE-ZERO, ROOT LOCUS, BODE, NYQUIST, AND? OR NICHOLS PLOT IS DESIRED FOR:

INPUT # ?

1

OUTPUT # ?

1

OPTGRAPH

OPEN LOOF TRANSFER FUNCTION

INPUT # = 1

OUTFUT # = 1

DO YOU DESIRE GRAPHICAL RESPONSE AND/OR TABULAR DATA FOR:

1. POLE-ZERO MAP

- 2. ROOT-LOCUS
- 3. EODE
- 4. NYQUIST (POLAR PLOT)
- 5. NICHOLS
- 6. ANOTHER INPUT/OUTPUT COMBINATION (SAME TRANSFER FUNCTION)
- 7. ANOTHER TYPE TRANSFER FUNCTION /EXIT CPTGRAPH

ENTER OPTION NUMBER.

1

POLE-ZERO MAP
OPEN LOOP TRANSFER FUNCTION
DO YOU DESIRE:

- 1. GRAPHICAL OUTPUT
- 2. TABULAR DATA
- 3. QUIT SUBROUTINE

ENTER OPTION NUMBER.

1

POLE-ZERO MAP

OPEN LOOP TRANSFER FUNCTION

PLOTTER SELECTION AND PAGE SIZE

(NOTE: PAGE IS 11.0 INCHES BY 8.5 INCHES WITH SELECTION OF TEK618)

WHICH PLOTTER DO YOU DESIRE:

- 1. TEK618
- 2. VERSATEC

CHOCSE OPTION 1 OR 2

2

PAGE SIZE (MAXIMUM = 21.0 INCHES BY 21.0 INCHES)

HEIGHT =

6

WIDTH =

8

PLOTTING LIMITS FOR GRAPH

X AXIS (REAL AXIS)

X MINIMUM = ?

-15

X MAXIMUM = ?

5

Y AXIS (IMAGINARY AXIS)

Y MINIMUM = ?

-5

Y MAXIMUM = ?

5

PLOTTING LIMITS FOR GRAPH

X AXIS (REAL AXIS)

X MINIMUM = -15.00

X MAXIMUM = 5.00

Y AXIS (IMAGINARY AXIS)

Y MINIMUM = -5.00

Y MAXIMUM = 5.00

DO YOU DESIRE TO MAKE ANY CHANGES ?

TYPE "YES" OR "NO".

n

PLOT HEADING

HOW MANY LINES OF HEADING DO YOU DESIRE ?

(3MAX)

ENTER NUMBER OF LINES.

(ENTER "O" FOR NO HEADING)

3

A MAXIMUM OF 32 CHARACTERS PER LINE IS

ALLCWED

LINE 1 IS:

aircraft with an autopilot in

LINE 2 IS:

the longitudinal mode

LINE 3 IS:

ref. 7; page 315

PLOT HEADING

LINE 1: AIRCRAFT WITH AN AUTOPILCT IN

LINE 2: THE LONGITUDINAL MODE

LINE 3: REF. 7; PAGE 315

DO YOU DESIRE TO MAKE ANY CHANGES ?

TYPE "YES" OR "NO".

n

>USING A PRE-ALLOCATED DATASET FOR UNIT FT17F001.
>USING A FRE-ALLOCATED DATASET FOR UNIT FT18F001.

A DISSPLA METAFILE HAS BEEN CREATED CLEAR SCREEN TO CONTINUE

POLE-ZERO MAP

OPEN LOOP TRANSFER FUNCTION

DO YOU DESIRE TO MAKE ANY CHANGES TO:

- 1. PLOTTER / PAGE SIZE
- 2. GRAPH LIMITS
- 3. HEADING
- 4. NO ADDITIONAL CHANGES PLOT POLE-ZERO MAP
- 5. NO CHANGES EXIT POLE-ZERO PLOTTING FOUTINE

ENTER OPTION NUMBER.

5

POLE-ZERO MAP
OPEN LOOP TRANSFER FUNCTION
DO YOU DESIRE:

- 1. GRAPHICAL OUTPUT
- 2. TABULAR DATA
- 3. QUIT SUBROUTINE

ENTER OPTION NUMBER.

3

OPTGRAPH

OPEN LOOP TRANSFER FUNCTION

INPUT # = 1

OUTPUT # = 1

DO YOU DESIRE GRAPHICAL RESPONSE AND/OR TABULAR DATA FOR:

- 1. FOLE-ZERO MAP
- 2. ROOT-LOCUS
- 3. EODE
- 4. NYQUIST (POLAR PLOT)
- 5. NICHOLS
- 6. ANOTHER INPUT/OUTPUT COMBINATION (SAME TRANSFER FUNCTION)
- 7. ANOTHER TYPE TRANSFER FUNCTION /EXIT CPTGRAPH

ENTER OPTION NUMBER.

7

OPTGRAPH

DO YOU DESIRE TO ANALYZE:

- 1. CPEN LOOP TRANSFER FUNCTION
- 2. NOISE TRANSFER FUNCTION
- 3. COMPENSATOR TRANSFER FUNCTION
- 4. EXIT OPTGRAPH

ENTER OPTION NUMBER.

4

R; T=2.80/4.67 19:45:15 record off END RECORDING OF TERMINAL SESSION

The preceding example follows at the end of the chapter as figure 3.1.

b. Example of Tabular Data (Terminal Session)

The entering and exiting option menus for the tabular data terminal session are identical to the graphic response terminal session option menus, and have been eliminated from the following terminal session.

BEGIN RECORDING OF TERMINAL SESSION

R; T=0.01/0.02 19:51:03

EXECUTION BEGINS...

POLE-ZERO MAP
OPEN ICCF TRANSFER FUNCTION
DO YOU DESIRE:

- 1. GRAPHICAL OUTPUT
- 2. TABULAR DATA
- 3. QUIT SUBROUTINE

ENTER CPIICN NUMBER.

2

POLE-ZERO MAP
OPEN LOCF TRANSFER FUNCTION
DO YOU DESIRE TABULAR OUTPUT TO GO TO:

- 1. SCREEN
- 2. PRINTER
- 3. DISK (OPGRAPH LISTING) ENTER CPTICN NUMBER.

1

POLE-ZERO MAP

OPEN IOOP TRANSFER FUNCTION

INPUT NUMBER =

CUIPUT NUMBER = 1

TRANSFER FUNCTION (DC) GAIN = 0.1000D+01

DENCMINATOR ORDER = 4

POLE LOCATIONS

REAL PART IMAGINARY PART

0-0000D+00

0.0000D+00

0.1000D+01

0.0000D+00

-0.2000D+01

0.3464D+01

-0.2000D+01 -0.3464D+01

NUMERATOR ORDER = 1

ZERO LOCATIONS

REAL PART IMAGINARY PART

-0-1000D+01

0.0000D+00

DO YOU DESIRE TO CHANGE OUTPUT DEVICE? TYPE "YES" OR "NC".

POLE-ZERO MAP

OPEN LOOP TRANSFER FUNCTION

DO YOU DESIRE:

- 1. GRAPHICAL OUTPUT
- 2. TABULAR DATA
- 3. QUIT SUBROUTINE

ENTER CPTICN NUMBER.

3

R: T=1.60/3.23 19:53:00

record off

3. Root-Locus

The subroutine RTLO creates a closed loop system (with negative unity feed-back) from the selected transfer function input numbers and output numbers. Transfer function poles and zeros are formed into two separate polynomials by the subroutine MAKPOL. The numerator polynomial (zeros) is multiplied by the gains, and the two polynomials are added to form a single polynomial. Complex roots of the of the polynomial are calculated by the IMSL library subroutine ZRPCLY. The complex roots are separated into real and imaginary components for either plotting or tabulating.

The plotting routine first plots the transfer function pole and zero locations then plots the root locations as they are received from the subroutine ZRPOLY. For the plotting routine the gain interval specified by the user is divided into 2000 evenly spaced points for the subroutine ZRPOLY to calculate roots. The poles, zeros, and roots are plotted within the plot limits specified by the user.

For the tabular data routine the user is given the option to choose between 1 and 500 points for the subroutine ZRPOLY to calculate roots. The tabular data output provided for the user is system information (numerator order, denominator order, and transfer function (DC) gain) for the selected transfer function input number and output number, the pole and zero locations, and the root locus gains and roots

A positive unity feedback system may be analyzed by specifying a negative gain range vice a positive gain range.

4. Roct-Locus (Interactive Example)

The following interactive example is of the open loop transfer function for an aircraft with an autopilot in the longitudinal mode described in Pole-Zero interactive section.

a. Example of Graphic Response (Terminal Session)

BEGIN RECORDING OF TERMINAL SESSION
R; T=0.01/0.02 20:28:37
EXECUTION BEGINS...

OPTGRAPH

DO YOU DESIRE TO ANALYZE:

- 1. OPEN LOOP TRANSFER FUNCTION
- 2. NOISE TRANSFER FUNCTION
- 3. COMPENSATOR TRANSFER FUNCTION
- 4. EXIT OPTGRAPH

ENTER CPTION NUMBER.

1

OPTGRAPH

THE CFEN LOCP TRANSFER SYSTEM OBTAINED FROM OPTSYS CONTAINS:

- 1. NUMBER OF STATES = 4
- 2. NUMBER OF CCNTROLS (INPUTS) = 1
- 3. NUMBER OF MEASUREMENTS (OUTPUTS) = 1
- 4. MARKOV PARAMETER = 10.0**-6

CLEAR SCREEN TO CONTINUE

OPTGRAFH

AN OPEN LOOP POLE-ZERC, ROOT LOCUS, BODE, NYQUIST,

AND/CR NICHOLS PLOT IS DESIRED FOR:

INPUT # ?

1

OUTPUT # ?

1

OPTGRAPH

OPEN LOCP TRANSFER FUNCTION

INPUT # = 1

CUTFUT # = 1

DO YOU DESIRE GRAPHICAL RESPONSE AND/OR TABULAR DATA FOR:

- 1. POLE-ZERO MAP
- 2. FOCT-LOCUS
- 3. BODE
- 4. NYQUIST (POLAR PLOT)
- 5. NICHOLS
- 6. ANOTHER INPUT/OUTPUT COMBINATION (SAME TRANSFER FUNCTION)
- 7. ANOTHER TYPE TRANSFER FUNCTION /EXIT OPTGRAPH

ENTER CPTION NUMBER.

2

ROOT-LOCUS

OPEN ICCF TRANSFER FUNCTION

DO YOU DESIRE:

- 1. GRAPHICAL OUTPUT
- 2. TABULAR DATA
- 3. QUIT SUBROUTINE

ENTER CPTION NUMBER.

1

ROOT-LOCUS

CPEN LOOF TRANSFER FUNCTION
FLOTTER SELECTION AND PAGE SIZE
(NOTE: PAGE IS 11.0 INCHES BY 8.5 INCHES WITH

WHICH PLOTTER DO YOU DESIRE:

1. TEK618

SELECTION OF TEK618)

2. VERSATEC

CHCCSE OPTION 1 CR 2

2

PAGE SIZE (MAXIMUM = 21.0 INCHES BY 21.0 INCHES)

HEIGHT =

6

WIDTH =

8

PLOTTING LIMITS FOR GRAPH

X AXIS (REAL AXIS)

X MINIMUM = ?

-15

X MAXIMUM = ?

5

Y AXIS (IMAGINARY AXIS)

Y MINIMUM = ?

-5

Y MAXIMUM = ?

5

PLOTTING LIMITS FOR GRAPH

X AXIS (REAL AXIS)

X MINIMUM = -15.00

X MAXIMUM = 5.00

Y AXIS (IMAGINARY AXIS)

Y MINIMUM = -5.00

Y MAXIMUM = 5.00

DO YOU DESIRE TO MAKE ANY CHANGES ?

TYPE "YES" OR "NO".

n

GAIN RANGE FOR ROOT-ICCUS PLOT

MINIMUM GAIN = ?

MAXIMUM GAIN = ?

500

GAIN RANGE FOR ROOT-ICCUS PLOT

MINIMUM GAIN = 0.000D+00

MAXIMUM GAIN = 0.500D+03

DO YOU DESIRE TO MAKE ANY CHANGES ?

TYPE "YES" OR "NC".

n

FLOT HEADING

HOW MANY LINES OF HEADING DO YOU DESIRE ?

(3 MAX)

ENTER NUMBER OF LINES.

(ENTER "O" FOR NO HEADING)

3

A MAXIMUM OF 32 CHARACTERS PER LINE IS

ALLOWED

IINE 1 IS:

aircraft with an autopilot in

IINE 2 IS:

the longitudinal mode

IINF 3 IS:

ref. 7; page 315

FLOT HEADING

LINE 1: AIRCRAFT WITH AN AUTOPILOT IN

LINE 2: THE LONGITUDINAL MODE

LINE 3: REF. 7; PAGE 315

DO YOU DESIRE TO MAKE ANY CHANGES ?

TYPE "YES" OR "NC".

n

>USING A PRE-ALLOCATED DATASET FOR UNIT FT17F001.
>USING A PRE-ALLOCATED DATASET FOR UNIT FT18F001.

A DISSPLA METAFILE HAS BEEN CREATED CLEAR SCREEN TO CONTINUE

ROOT-LOCUS

OPEN LOOP TRANSFER FUNCTION

DO YOU DESIRE TO MAKE ANY CHANGES TO:

- 1. PLOTTER / PAGE SIZE
- 2. GRAPH LIMITS
- 3. HEADING
- 4. GAIN RANGE
- 5. NO ADDITIONAL CHANGES PLOT ROOT-LOCUS
- 6. NO CHANGES EXIT ROOT-LOCUS PLOTTING ROUTINE

ENTER CPTICN NUMBER.

6

RCOT-LOCUS

OPEN LOOP TRANSFER FUNCTION

DO YOU DESIRE:

- 1. GRAPHICAL OUTPUT
- 2. TABULAR DATA
- 3. QUIT SUBROUTINE

ENTER CPTICN NUMBER.

3

OPTGR APH

OPEN LOOP TRANSFER FUNCTION

INPUT # = 1

CUTPUT # = 1

DO YOU DESIRE GRAPHICAL RESPONSE AND/OR TABULAR DATA FOR:

- 1. POLE-ZERO MAP
- 2. ROOT-LOCUS
- 3. BODE
- 4. NYQUIST (POLAR PLOT)
- 5. NICHOLS
- 6. ANOTHER INPUT/OUTPUT COMBINATION (SAME TRANSFER FUNCTION)
- 7. ANOTHER TYPE TRANSFER FUNCTION /EXIT OPTGRAPH

ENTER CPTICN NUMBER.

7

OPTGRAFH

DO YOU DESIRE TO ANALYZE:

- 1. OPEN LOOP TRANSFER FUNCTION
- 2. NOISE TRANSFER FUNCTION
- 3. COMPENSATOR TRANSFER FUNCTION
- 4. EXIT OPTGRAPH

ENTER CPIICN NUMBER.

4

R; T=12.36/15.14 20:32:54

record off

END RECORDING OF TERMINAL SESSION

The preceding example follows at the end of the chapter as figure 3.2.

t. Example of tabular data (Terminal Session)

The entering and exiting option menus for the tabular data terminal session are identical to the graphic response terminal session option menus, and have been eliminated from the following terminal session.

BEGIN RECORDING OF TERMINAL SESSION

R: T=0.01/0.02 20:42:59

EXECUTION BEGINS ...

RCCT-LOCUS

OPEN IOOF TRANSFER FUNCTION DO YOU DESIRE:

- 1. GRAPHICAL OUTPUT
- 2. TABULAR DATA
- 3. QUIT SUBROUTINE

ENTER CPTICN NUMBER.

2

ROOT-LOCUS

OPEN LOOP TRANSFER FUNCTION

DO YOU DESIRE TABULAR OUTPUT TO GO TO:

- 1. SCREEN
- 2. PRINTER
- 3. DISK (OPGRAPH LISTING)

ENTER CPTICN NUMBER.

1

GAIN RANGE FOR ROOT-LCCUS PLOT

MINIMUM GAIN = ?

1

MAXIMUM GAIN = ?

5

GAIN RANGE FOR ROOT-LCCUS PLOT

MINIMUM GAIN =

0.100D+01

MAXIMUM GAIN =

0.500D+01

DO YOU DESIRE TO MAKE ANY CHANGES ?

TYPE "YES" OR "NC".

n

HOW MANY PCINTS DO YOU WANT TO TABULATE?

(500 IS THE MAXIMUM)

ENTER NUMBER OF POINTS.

5

ROOT-LOCUS

OPEN LOCF TRANSFER FUNCTION

INPUT NUMBER =

.

CUTFUT NUMBER = 1

TRANSFER FUNCTION (DC) GAIN = 0.1000D+01

OPEN ICCF TF POLES AND ZEROS

DENCMINATOR ORDER = 4

PCLE LOCATIONS

REAL PART IMAGINARY PART

0.0000D+00 0.000D+00

0.1000D+01 0.0000D+00

-0.2000D+01 0.3464D+01

-0.2000D+01 -0.3464D+01

NUMERATOR ORDER = 1

ZERC LOCATIONS

REAL PART IMAGINARY PART

-0.1000D+01 0.0000D+00

GAIN = 0.1000D+01

REAL PART IMAGINARY PART

0.7074D-01 0.0000D+00

0.8962D+00 0.0000D+00

-0.1983D+01 0.3441D+01

-0.1983D+01 -0.3441D+01

GAIN = 0.1800 D+01

REAL PART IMAGINARY PART
0.1453D+00 0.0000D+00
0.7948D+00 0.000D+00
-0.1970D+01 0.3422D+01
-0.1970D+01 -0.3422D+01

GAIN = 0.2600D+01

REAL PART IMAGINARY PART
0.2576D+00 0.0000D+00
0.6552D+00 0.0000D+00
-0.1956D+01 0.3402D+01
-0.3402D+01

GAIN = 0.3400D+01

REAL PART IMAGINARY PART
0.4426D+00 0.1661D+00
-0.4426D+00 -0.1661D+00
-0.1943D+01 0.3383D+01
-0.1943D+01 -0.3383D+01

GAIN = 0.4200D+01

REAL PART IMAGINARY PART

0.4285D+00 0.3096D+00

-0.4285D+00 -0.3096D+00

-0.1929D+01 0.3363D+01

-0.1929D+01 -0.3363D+01

DO YOU DESIRE TO MAKE ANY CHANGES ?

TYPE "YES" OR "NO".

y

ROOT-LOCUS

OPEN ICCF TRANSFER FUNCTION
DO YOU DESIRE TO MAKE ANY CHANGES TO:

1. OUTPUT DEVICE

- 2. GAIN RANGE
- 3. NUMBER OF POINTS CALCULATED
- 4. NO ADDITIONAL CHANGES TABULATE DATA
- 5. EXIT ROOT-LCCUS TABULAR DATA ROUTINE ENTER CPTICN NUMBER.

5

ROOT-LOCUS

OPEN LOOP TRANSFER FUNCTION TO YOU DESIRE:

- 1. GRAPHICAL OUTPUT
- 2. TABULAR DATA
- 3. QUIT SUBROUTINE

ENTER CPTICN NUMBER.

3

R; T=1.63/3.40 20:44:54
record off
END RECOFDING OF TERMINAL SESSION

G. FREQUENCY RESPONSE ANALYSIS

The calculations for the frequency response of the Bode, Nyquist, and Nichols responses are identical. The only difference is in the graphical presentation of the calculated data. The subroutines BODE, NYQST, and NICHOLS call the subroutine FREQ to calculate the transfer function magnitude and phase for the frequency range specified by the user.

The subroutine FREQ eliminates the extraneous zeros by comparing the zeros to the Markov parameter as described in the Characteristic Equation Analysis section. The frequency response magnitude and phase are calculated using double precision complex library functions following the

conventions of the IBM System /360/370/ FORTRAN IV language. The frequency response is calculated by determining the product of successive numerator zeros which have been combined with the frequency and divided by the product of successive denominator poles which also have been combined with the frequency. The magnitude for the complex result of the zeros, poles, and frequency calculations is determined using the FORTRAN dcuble precision library functions for finding the magnitude of a complex argument. The phase of the of the complex result is determined by separating the real and imaginary parts of the complex results, and finding the phase angle using the double precision FORTRAN library function arctangent. The angle is converted from radians to degrees and is corrected for proper quadrant by checking the signs of the real and imaginary parts. The normal range for calculating phase angles by the subroutine is from +540 degrees to -540 degrees. This range is considered adequate for most application, but should these limits be exceeded the plot will jump with a vertical line to either +360 degrees or -360 degrees respectively before continuing with the plot.

For a graphic response the user specified frequency range is divided into 500 equally spaced points (on a logrithmic scale) for which to calculate the magnitude and phase. The user is given the option to select between 1 and 500 points for tabular data.

1. <u>Pode Response</u>

The graphic response section of the subroutine BODE creates two plots. The first plot is the response magnitude in decibels versus the frequency in radians per second. The magnitude from the subroutine FREQ is converted to decibels and plotted with its corresponding frequency. The second plot is of the phase in degrees versus frequency in radians

per second. The phase from the subroutine FREQ is plotted with its corresponding frequency. The frequency for both plots is plotted on a logrithmic scale. The scale range for both is set automatically to include the entire range of data to be plotted by the subroutine MINMAX which cans the data for the maximum and minimum values. System information (transfer function input number, output number, and (DC) gain) is listed in the graph legend.

The magnitude in decibels and the phase in degrees is searched for "0" decibel and 180 degree crossover points to calculate the phase and gain margins.

The tabular response section gives the user the option to select the the number of frequency points to be calculated between 1 and 500 for the frequency range he has specified. For tabular data response the user is given system information (numerator order, denominator order, and transfer function (DC) gain) for the selected transfer function input number and output number, and the frequency (radians per second), magnitude (decibels), phase (degrees), and the real and imaginary frequency response parts.

Bode Response (Interactive Example)

The following example of compensator transfer function with a filter and regulator was obtained from [Ref. 8,pp. 382 - 384].

The compensated system is represented by:

$$[G] = [0.787]$$

$$[GAM] = [0.]$$

$$[K] = [95.4]$$

$$[Q] = [10.]$$

a. Example of Graphic Response (Terminal Session)

BEGIN RECCRDING OF TERMINAL SESSION

R; T=0.01/0.02 18:30:23

graphics

EXECUTION BEGINS...

OPTGRAPH

DO YOU DESIRE TO ANALYZE:

- 1. OPEN LOOP TRANSFER FUNCTION
- 2. NOISE TRANSFER FUNCTION
- 3. COMPENSATOR TRANSFER FUNCTION
- 4. EXIT OPTGRAPH

ENTER OPTION NUMBER.

3

OPTGRAPH

THE COMPENSATOR TRANSFER SYSTEM OBTAINED FFCM OPTSYS CCNTAINS:

- 1. NUMBER OF STATES = 2
- 2. NUMBER OF CONTROLS (INPUTS) = 1
- 3. NUMBER OF MEASUREMENTS (OUTPUTS) = 1
- 4. MARKOV PARAMETER = 10.0**-6

CLEAR SCREEN TO CONTINUE

OPTGRAPH

AN OPEN ICOP POLE-ZERO, ROOT LOCUS, BODE, NYQUIST, AND/OR NICHOLS PLOT IS DESIRED FOR:

INPUT # ?

1

CUTPUT # ?

1

OPTGRAPH

COMPENSATOR TRANSFER FUNCTION

INPUT # = 1

OUTPUT # = 1

DO YOU DESIRE GRAPHICAL RESPONSE AND/OR TABULAR DATA FOR:

- 1. FOLE-ZERO MAP
- 2. ROOT-LOCUS
- 3. EODE
- 4. NYQUIST (POLAR PLOT)
- 5. NICHOLS
- 6. ANOTHER INPUT/OUTPUT COMBINATION (SAME TRANSFER FUNCTION)
- 7. ANOTHER TYPE TRANSFER FUNCTION /EXIT CPTGRAPH

ENTER OPTION NUMBER.

BODE PLOT

COMPENSATOR TRANSFER FUNCTION DO YOU DESIRE:

- 1. GRAPHICAL OUTPUT
- 2. TABULAR DATA
- 3. QUIT SUBROUTINE

ENTER OPTION NUMBER.

1

BODE PLOT

COMPENSATOR TRANSFER FUNCTION PLOTTER SELECTION AND PAGE SIZE

(NOTE: PAGE IS 11.0 INCHES BY 8.5 INCHES WITH SELECTION OF TEK618)

WHICH PLOTTER DO YOU DESIRE:

- 1. TEK618
- 2. VERSATEC

CHOCSE OPTION 1 OR 2

2

PAGE SIZE (MAXIMUM = 21.0 INCHES BY 21.0 INCHES)

HEIGHT =

5.65

WIDTH =

8.5

PLOTTING LIMITS FOR GRAPH

FREQUENCY RANGE - RADIANS PER SECOND

MINIMUM FREQUENCY = ?

0.1

MAXIMUM FREQUENCY = ?

1000000

PLOTTING LIMITS FOR GRAPH

FREQUENCY RANGE - RADIANS PER SECOND

MINIMUM FREQUENCY = 0.100E+00

MAXIMUM FREQUENCY =

0.100E+07

DO YOU DESIRE TO MAKE ANY CHANGES ?

TYPE "YES" OR "NO".

n

PLOT HEADING

HOW MANY LINES OF HEADING DO YOU DESIRE ? (3 MAX)

ENTER NUMBER OF LINES.

(ENTER "O" FOR NO HEADING)

2

A MAXIMUM OF 32 CHARACTERS PER LINE IS ALLCWED

LINE 1 IS:

filter simulation

LINE 2 IS:

ref. 8; pages 332 - 334

PLOT HEADING

LINE 1: FILTER SIMULATION

LINE 2: REF. 8: PAGES 332 - 334

DO YOU DESIRE TO MAKE ANY CHANGES ?

TYPE "YES" OR "NO".

n

A DISSPLA METAFILE HAS BEEN CREATED CLEAR SCREEN TO CONTINUE

GAIN MARGIN AND PHASE MARGIN PHASE CROSSOVER FREQUENCY IS 75.1184 RAD/SEC: GAIN MARGIN IS -59.8906 DB GAIN CROSSOVER FREQUENCY IS ******* RAD/SEC: PHASE MARGIN IS -89.9480 DEG CLEAR SCREEN TO CONTINUE

BODE PLOT

COMPENSATOR TRANSFER FUNCTION

DO YOU DESIRE TO MAKE ANY CHANGES TO:

- 1. FLOTTER / PAGE SIZE
- 2. GRAPH LIMITS (FREQUENCY RANGE)
- 3. HEADING
- 4. NO ADDITIONAL CHANGES PLOT BODE PLCTS
- 5. NO CHANGES EXIT BODE SUBROUTINE ENTER OPTION NUMBER.

5

BODE PLOT

COMPENSATOR TRANSFER FUNCTION

DO YOU DESIRE:

- 1. GRAPHICAL OUTPUT
- 2. TABULAR DATA
- 3. QUIT SUBROUTINE

ENTER OPTION NUMBER.

3

OPTGRAPH

COMPENSATOR TRANSFER FUNCTION

INPUT # = 1

OUTPUT # = 1

DO YOU DESIRE GRAPHICAL RESPONSE AND/OR TABULAR DATA FOR:

- 1. FOLE-ZERO MAP
- 2. ROOT-LOCUS
- 3. FODE
- 4. NYQUIST (POLAR PLOT)
- 5. NICHOLS
- 6. ANOTHER INPUT/OUTPUT COMBINATION (SAME

TRANSFER FUNCTION)

7. ANOTHER TYPE TRANSFER FUNCTION /EXIT CPTGRAPH

ENTER OPTION NUMBER.

7

OPTGRAPH

DO YOU DESIRE TO ANALYZE:

- 1. OPEN LOOP TRANSFER FUNCTION
- 2. NOISE TRANSFER FUNCTION
- 3. COMPENSATOR TRANSFER FUNCTION
- 4. EXIT OPTGRAPH

ENTER OPTION NUMBER.

4

R; T=7.01/8.84 18:39:11

record off

END RECORDING OF TERMINAL SESSION

The preceding example follows at the end of the chapter as figure 3.3 and figure 3.4 .

b. Example of Tabular Data Listing File

The terminal session for the Bode tabular data response is similar to the Bode graphic response terminal session. Appendix D contains an example of tabular output sent to a disk (OPGRAPH LISTING) for five points between 10 and 100 radians/second.

3. Nyquist Response

The graphic response section of the subroutine NYCST creates a polar plot from the magnitude and phase data received from the subroutine FREQ. The plot is automatically scaled from a minimum radius of one by using the

subroutine MINMAX to determine the maximum phase and magnitude values. The gain / phase margin calculations and the tabular data output are identical to the subroutine BODE.

4. Nyquist Response (Interactive Example)

The following example is of the open loop transfer function for the filter simulation example described in the Bode interactive section.

This example follows at the end of the chapter as figure 3.5 .

5. Nichols Response

The graphic response section of the subroutine NICHCI creates a single rectangular plot of magnitude in decibels versus phase in degrees. The magnitude from the subroutine FREQ is converted to decibels and plotted with the corresponding magnitude. The plot is automatically scaled using the subroutine MINMAX to determine the maximum phase and magnitude values. The gain / phase margin calculations and the tabular data output are identical to the subroutine BODE.

6. Nichols Response (Interactive Example)

The following example is of the open loop transfer function for the filter simulation example described in the Bode interactive section.

This example follows at the end of the chapter as figure 3.6 .

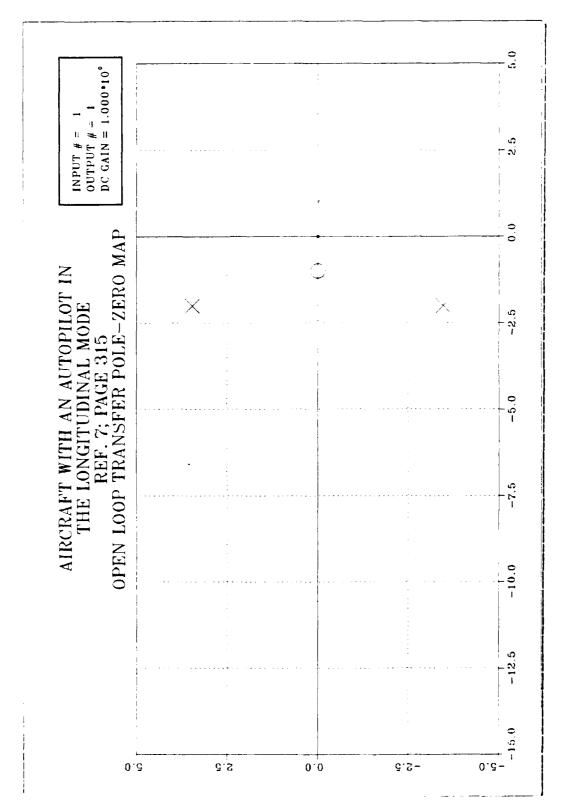


Figure 3.1 Pole-Zero Map Example.

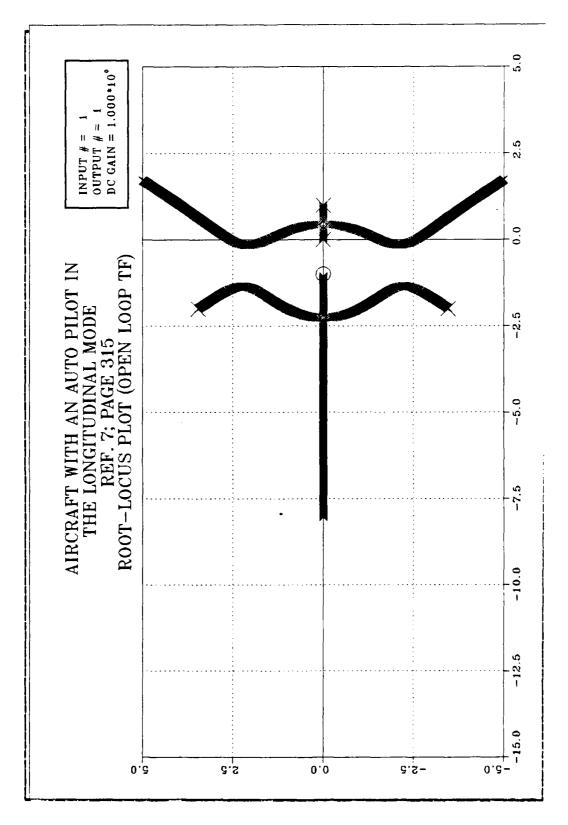
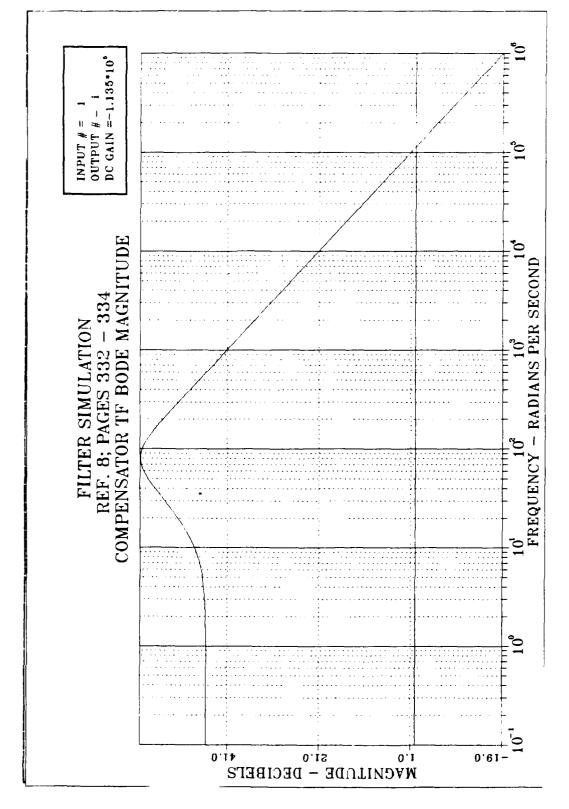


Figure 3.2 Root Locus Response Example.



igure 3.3 Bode Response Example (Magnitude).

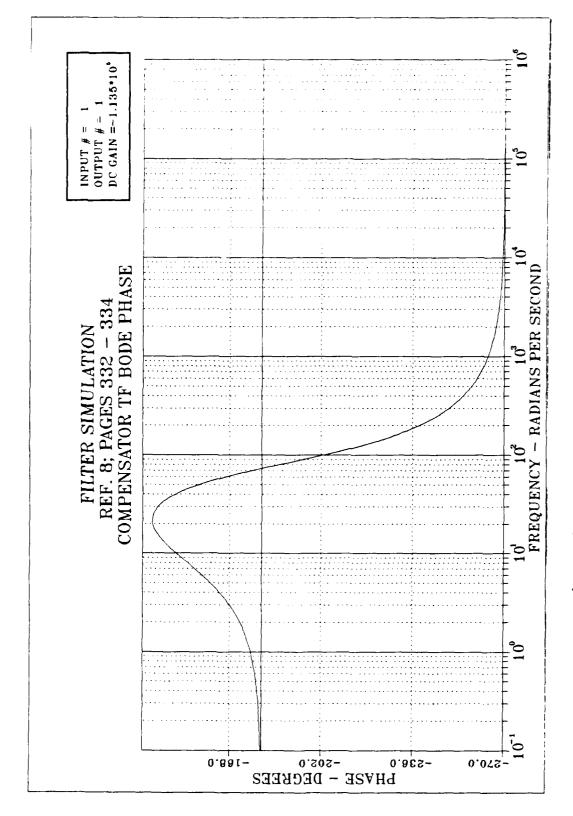


Figure 3.4 Bode Response Example (Phase).

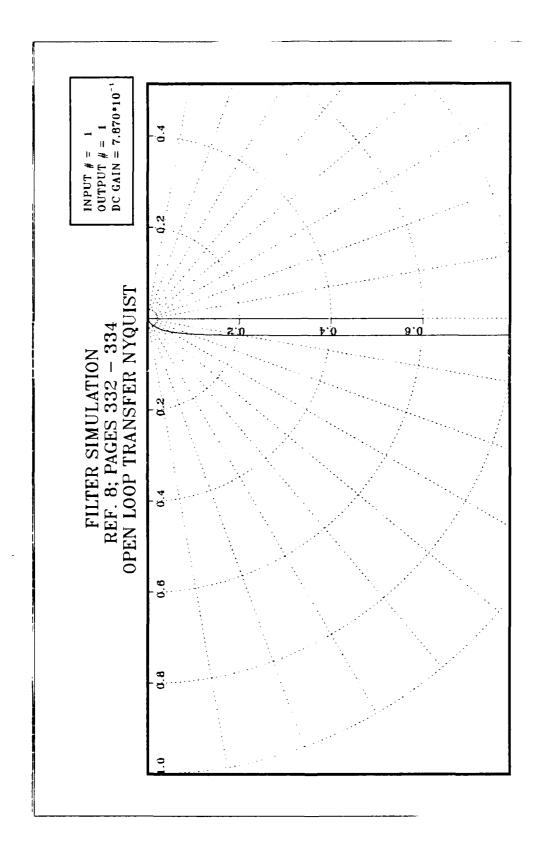


Figure 3.5 Nyquist Response Example.

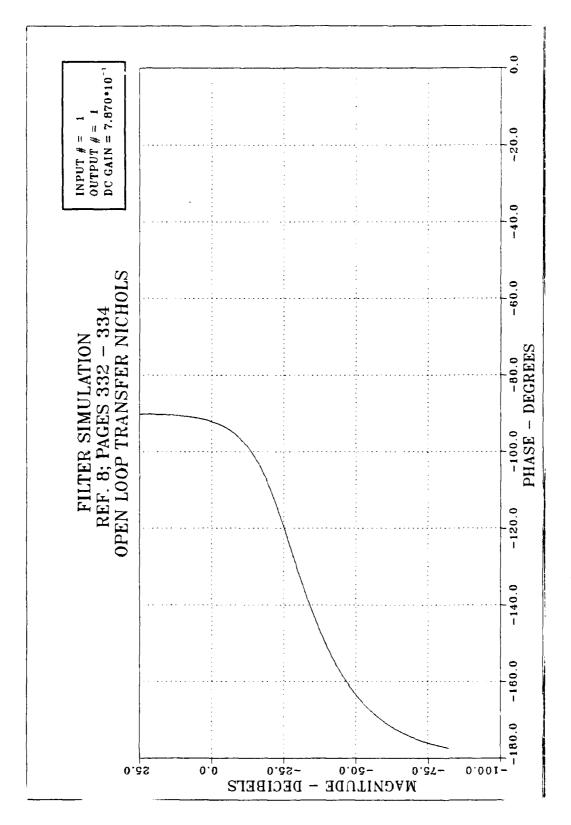


Figure 3.6 Nichols Response Example.

IV. CONCLUSIONS AND RECOMMENDATIONS

A. CCNCLUSIONS

An evaluation of the computational ability of OPISYSX and CPTGRAPH, the program was tested using an 82 X 82 matrix, provided by NASA-Edwards, of longitudinal equations for the X-29A experimental forward-swept wing fighter aircraft prototype. The OPISYSX program array had to be redimensioned and a 2-megabyte virtual machine size was required for a system of this size.

The open loop eigenvalues calculated by the OPTSYSX program compared favorably with the Eigensystem data supplied by NASA-Edwards, but the OPTSYSX program failed in calculating the open loop transfer function zeros. Extraneous zeros (calculated by OPTSYSX) were of the same approximate magnitude as the open loop system zeros. This prevented the identification and elimination of the extraneous zeros by comparison with the Markov parameter. The open loop zero identification was further complicated by not having available open loop transfer function zero information from NASA-Edwards to compare the OPTSYSX results to.

When requested for additional information NASA-Edwards provided a computer tape with a revised 98 X 98 matrix of longitudinal motion equations for the X-29A fighter aircraft. For this revised system, the OPTSYSX program requires a virtual machine size in excess of 2-megabyte. Time constraints have prevented running the OPTSYSX program with the revised system.

The OPTGRAPH program was tested using the OPTSYSX program's open loop Eigenvalue and transfer function cutput data for the X-29A 82 X 82 system of longitudinal motion

equations. OPTGRAPH provided excellent quality Bode plcts for all of the open loop transfer function inputs and outputs and did not exhibit any computational difficulties as indicated by the lack of error messages at the end of the test. While the test results are encouraging as to the ability of the OPTGRAPH program to assist in the analysis of large order systems, the actual computational accuracy of the OPTGRAPH program can not be fully verified until accurate transfer function information can be obtained from the OPTSYSX program.

B. RECCMMENDATIONS

Eased on the results of this Thesis the following areas emerged as possible areas for further research and study.

1. Root Finding Routines

The OPTSYSX program has two similar root finding subroutines (HQR and HQR2), to find the transfer function Eigensystem (poles) and zeros. The order of the transfer function numerator is calculated separately in the subroutine ZEROS.

The inclusion of the open loop transfer function eigensystem (pole locations), zero locations, transfer function numerator orders, and transfer function gains, for the revised (98 X 98) longitudinal mode system by NASA-Edwards should simplify the locating the problem in calculating the transfer function zeros.

The open loop system data from NASA-Edwards also included Bode magnitude and phase plots, and gain and phase margin information, which can be used to evaluate more conclusively the OPTGRAPH program's ability to help evaluate a large order system.

2. Program Memory Requirements

The OPTSYSX program requires in excess of 2-megabyte of virtual machine memory when configured for large matrix operations (98 X 98). Virtual machines with this memory capacity are not normally available to a user. The memory usage for matrix storage and manipulation is a possible area for the reduction in program memory requirement size. The OPTSYSX program retains most of its computational arrays in memory. This method simplifies programming but is extremely inefficient in its use of virtual machine memory.

3. Further Modifications

The area of modern digital controls should be further investigated. The computational abilities of the OPTGRAPH program make it readily adaptable, with minor modifications, for assisting in the analysis of transfer functions in the digital domains.

APPENDIX A OPTSYS EXEC LISTING

CUIPUT FROM OPISYSX WILL COME TO THE SCREEN IF YOU

WISH LISK FILE

ENTER D ANY OTHER INPUT YIELD SCREEN

-ENDFOUR

EREAD VARS EANS

EIF .EANS NE .D EGOTO -ONE

FILEDEF 06 DISK OUTPUTX LISTING A1

CLRSCRN

EBEGTYPE -ENDSIX

OUTPUT WILL GO TO DISK FILE 'OUTPUTX LISTING A1'

-ENDSIX

CP SLEEP 3 SEC

-ONE

CLRSCRN

CP LINK 0039P 191 251 RR

ACC 251 F

*

ALICW THE USE CF AN OLD "OPTMAT DATA A1"

*

RENAME OPTMAT DATA A 1 OPTSYS DATA A 1

EIF ERC NE O EGOTO -FIRST

RENAME OPTSYS DATA A 1 OPTMAT DATA A 1

FINDSTAK OPTMAT DATA A 1 CO1 O LIMOO2 ALL GROUP1

EREAD VARS EA1 EA2

EIF .EA2 NE .1 EGOTO -START

CLRSCEN

EBEGTYPE -ENDTWO

YOU HAVE A DATA FILE NAMED 'OPTMAT DATA' ON YOUR A DISK THAT WAS PREVIOUSLY GENERATED BY THE OPTSYS FROGRAM AND CCNTAINS THE F, G, H, GAMMA, A AND B MATRICES FROM THAT RUN.

IF YOU WOULD LIKE TO USE THESE SAME MATRICES FOR THIS RUN, THE CPTSYS PROGRAM WILL READ IN THE DESIRED DATA AT THE APPROPRIATE TIME,

IF YOU TYPE (Y) ES.

ANY OTHER INPUT WILL RESULT IN THAT FILE BEING ERASED!

-ENDTWO

EREAD VARS EANS

EIF .EANS EQ .Y EGOTO -START

-FIRST

ERASE THE OLD "CPTMAT DATA A1" DATA FILE

PLACE "000 O" IN THE NEW "OPTMAT DATA FILE"

TO ACT AS A FLAG FOR OPTSYSX AND OPTCALC

ERASE OPTMAT DATA A1

ESTACK 000 0

FILESTCK OPTMAT DATA A1 F 80 1

-START

CLRSCFN

EBEGTYPE -ENDONE

THE OPTSYS EXEC CONTROLS FOUR PROGRAMS:

- 1 OPTSYSX FCRTRAN (SYSTEM ANALYSIS) GENERATES OPTMAT AND OPTGRAPH DATA SETS - RERUN USES OPTMAT
- 2 OPTCALC FCRTRAN (CALCULATE TIME RESPONSE) GENERATES OPTPLOT DATA SET USES OPTMAT FROM OPTSYSX
- 3 OPTGRAPH FORTRAN (POLE-ZERO, ROOT-LOCUS, BODE,

NYQUIST, ETC)

USES OPTGROL -OPTGRNO -OPTGRCM FROM OPTSYSX

4 EXIT

OPTPLOT FORTRAN IS THE FOURTH PROGRAM

USES OPIPLOT DATA SET FROM OPTCALC

THE SIZE OF THE DATA SETS VARY WITH THE SYSTEM

CRDER, AND CAN USE ABOUT 20% OF THE USERS DISK SPACE.

THEREFORE ENSURE THAT SUFFICIENT DISK SPACE IS

AVAILABLE.

IF DATA SET IS ALREADY AVAILABLE YOU MAY FUN ANY PROGRAM

- ENTER 1, 2, 3, 4 ANY OTHER INPUT RETURNS TO MENU

-ENDONE

EREAD VARS SANS

EIF . SANS EQ . 1 EGOTO - OPTSYS

&IF .&ANS EQ .2 &GOTO -OPTCALC1

&IF . &ANS EQ . 3 &GOTO -OPGRAPH 1

EIF . SANS EQ . 4 SEXIT ERC

EGOTO -START

-OPTSYS

FILEDEF 8 DISK OPTPLCT DATA A1 (PERM

FILEDEF 9 DISK OPTMAT DATA A1 (PERM

FILEDEF 10 DISK OPTGRCL DATA A1 (PERM

FILEDEF 01 DISK OPTGRNO DATA A1 (PERM

FILEDEF 04 DISK OPTGRCM DATA A1 (PERM

GLOBAL TXTLIB VFORTLIE IMSLDP NONIMSL

ETYPE LCADING OPTSYS.... GENERAL STATE VARIABLE ANALYSIS PROGRAM

ETYPE.... OPTMAT DATA A1 INPUT DATA SET ON RERUNS

OPTSYSX

CLRSCEN

ETYPE... DATA SETS .. OPTMAT AND .. OPGRAPH CREATED CP SLEEP 5 SEC

EGOTC -START

-OPTCALC1

*

CHECK FOR DATA IN THE FILE "OPTMAT DATA "

BEFORE LOADING OPTCALC

FINDSTAK OPTMAT DATA A1 CO1 0 LIMO02 ALL GROUP1

EREAD VARS EA1 EA2

EIF .EA2 EQ .1 EGOTO -OPTCALC

ETYPE PROPER DATA FILE IS NOT AVAILABLE FOR OPTCALC

CP SIFEP 5 SEC

EGOTO -START

-OPTCALC

ETYPE..... OPTCALC... TIME RESPONSE PROGRAM

FILEDEF 8 DISK OPTPLCT DATA A1 (PERM

FILEDEF 9 DISK OPTMAT DATA A1 (PERM

GLOBAL TXTLIB VFORTLIE IMSLDP NONIMSL

CPTCAIC

STYPE .. OPTPLOT DATA A1 CREATED

CP SLEEP 5 SEC

CLRSCEN

EBEGTYPE -ENDNINE

IF YOU ARE DISSATISFIED WITH THE RESULTS THUS FAR AND WOULD LIKE TO EXIT TO CMS,

-TYPE 'Y' TO EXIT-

(ANY OTHER INPUT TO CONTINUE)

-ENDNINE EREAD VARS EANS EIF . EANS EQ . Y EGOTC -START ETYPE PLOTS NEXT CP SIEEP 4 SEC GLOBAL TXTLIB DISLIBVS 92DISLIB 92INTLIB VFORTLIB GRFLIE NCNIMSL CMSLIB FILEDEF 8 DISK OPTPLOT DATA A1 (PERM FILEDEF 11 DISK LBLANK TMP A3 (RECFM F LRECL 2400 BLKSIZE 2400 ELKSIZE 2400 XTENT 600 FILEDEF 12 DISK ISSCCMAP MAPDTA * (RECFM F LRECL 400 BLKSIZE 400 FILEDEF 13 DISK TABLET TMP A3 (RECFM VS LRECL 208 BLKSIZE 208 XIENT 1000 FILEDEF 14 DISK LBLANK MAPDTA ELBMODE (RECFM VS LRECL 608 BIKSIZE 608 FILEDEF 17 DISK DISSPIA SYSUT1 A3 (RECFM FB LRECL 2000 BLCCK 2000 XTENT 500 FILEDEF 18 DISK DISSFIA METAFILE A4 (RECFM VBS LRECL 19065 BLCCK 19069 OPTPLCT EGOTO -META -OPGRAPH1 CHECK FOR DATA IN THE OPTGRAPH DATA SETS " EFFORE LOADING OPGRAPH

RENAME OFTGROL DATA A1 OPTSYS DATA A1 & F & F C NE O & GOTO - CFTNOISE RENAME OPTSYS DATA A1 OPTGROL DATA A1

FINDSTAK OPTGROL DATA A1 CO1 0 LIM002 ALL GROUP1

EREAD VARS EA1 EA2 EA3 EA4 EA5

EIF .EA2 NE .O EGOTO -SIXTEEN

-OPINCISE

RENAME OFTGRNO DATA A1 OPTSYS DATA A1

SIF SRC NE O SGOTO -CPTCOMP

RENAME OPTSYS DATA A1 OPTGRNO DATA A1

FINDSTAK OPTGRNO DATA A1 CO1 0 LIMOO2 ALL GROUP1

EREAD VARS EA1 EA2 EA3 EA4 EA5

EIF . EA2 NE . O EGOTO -SIXTEEN

-OPTCCMP

RENAME OPTGRCM DATA A1 OPTSYS DATA A1

EIF ERC NE O EGOTO - NCDATA

RENAME OPTSYS DATA A1 OPTGRCM DATA A1

FINDSTAK OPTGRCM DATA A1 CO1 0 LIM002 ALL GROUP1

EREAD VARS EA1 EA2 EA3 EA4 EA5

EIF .EA2 NE .O EGOTO -SIXTEEN

-NODATA

EPRINT PROPER DATA FILE IS NOT AVAILABLE FOR OPGRAPH

CP SLEEP 5 SEC

EGOTO -START

-SIXTEEN

ETYPE ... OPTGRAPH.... CLASSICAL ANALYSIS OF OPTSYS OUTPUT

SET IDRTELS 10

GLOBAL TXTLIB DISLIBVS 92DISLIB 92INTLIB VFORTLIB GRFLIB

NONIMSL CMSLIB

SET LDRTBLS 10

FILEDEF 01 DISK OPTGRNO DATA A1 (PERM

FILEDEF 02 DISK OPGRAFH LISTING A1

FILEDEF 03 PRINTER (RECFM FA BIKSIZE 133 PERM

FILEDEF 04 DISK OPTGRCM DATA A1 (PERM

FILEDEF 06 TERM (RECFM FA BLKSIZE 133

FILEDEF 05 TERM (RECFM FA BLKSIZE 80

FILEDEF 10 DISK OPTGECL DATA A1 (PERM

FILEDEF 11 DISK LBLANK TMP A3 (RECFM F LRECL 2400 BLKSIZE

2400 XIENT 600

FILEDEF 12 DISK ISSCCMAP MAPDTA * (RECFM F LRECL 400 BLKSIZE 400

FILEDEF 13 DISK TABLET TMP A3 (RECFM VS LRECL 208 BLKSIZE 208 XTENT 1000

FILEDEF 14 DISK LBLANK MAPDTA ELBMODE (RECFM VS LRECL 608 BLKSIZE 608

FILEDEF 17 DISK DISSFIA SYSUT1 A3 (RECFM FB LRECL 2000 BLCCK 2000 XTENT 500

FILEDEF 18 DISK DISSPIA METAFILE A4 (RECFM VBS LRECL 19065 BLCCK 19069

CPTGRAPH

-META

*

* CHECK FOR FILE "DISSPLA METAFILE A4" ON

THE USER'S DISK BEFORE GOING TO DISSPOP

RENAME DISSPLA METAFILE A4 OPTSYS METAFILE A4 & FRETCODE NE O &GCTO -START
RENAME OPTSYS METAFILE A4 DISSPLA METAFILE A4 -EIGHT CLRSCRN

EBEGTYPE - ENDTEN

DC YOU WANT A VRSTEC PLOTTER SMOOTH COPY OF THE THE DISSPLA METAFILE THAT YOU JUST CREATED?

-ENDTEN

EREAD VARS EANS

EIF .EANS EQ .Y EGOTC -NINTH

EIF .EANS EQ .N EGOTC -START

EGOTO -EIGHT
-NINTH

EXEC DISSPOP VRSTEC

CLRSCEN

SBEGTYPE -ENDTWELVE

YOUR GRAPH(S) CAN BE PICKED UP AT THE COMPUTER CENTER.

THE GRAPH(S) WILL BE ADDRESSED TO "POP (USER ID)".

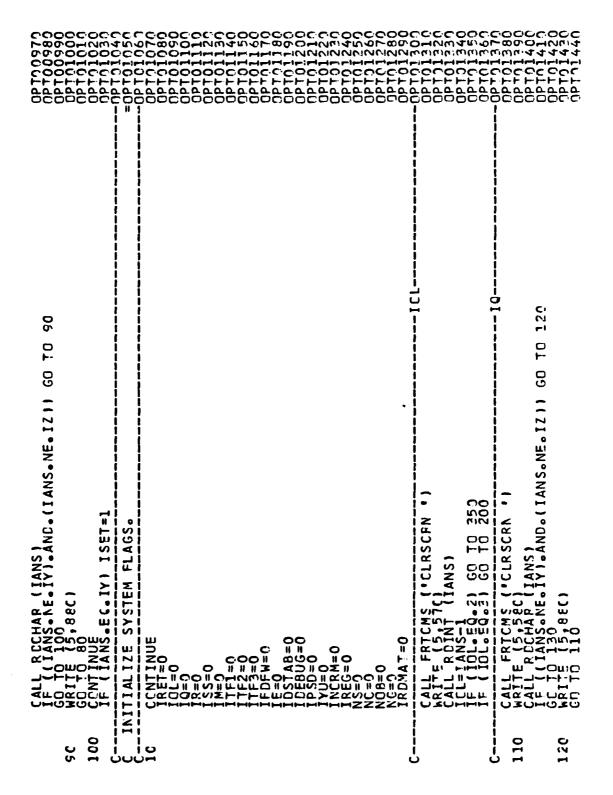
-ENDTWELVE
CP SIFEP 5 SEC
EGOTO -START

<u>APPENDIX</u> <u>B</u> OPISYSX PROGRAM LISTING

This portion of the thesis contains the OPTSYSX FORTRAN program (88 pages).

各等等等等等等等等等等等等等等等等等等等等等等等等等等等等等等等等等等等等	Q, IR, ISS, IM, ITF1, ITF2, ITF3, IFCFW, IE, IDEBUG, ISET, OPT0019 NC, NOB, NG, IREG, IDSTAB, IRET, NRCW, NCOL, ISAF, ISAH, IOPT0020 RO, ONE, ITFX PO, ONE, ITFX	NS LARGE ORDER SYSTEM.	8),8(3,3),BA(98,98),CI(98),CR(58),CQ(58,98),	IMENSIONS.	2) 8 (32,32) FBG E (32,32) CI (32) CR (32) CC (32,32) CWOPTO 36 (32,32) FBG E (32,32) G (32,32) G (32,32) FBG E (32,32) G (32,32) G (32,32) FBG E (32,32) G	(1,1), GW(1,1)), (W11(1,1), GV(1,1)), (W21(1,1), HY(1 OPT) 744	IQ, IR, ISS, IM, ITF1, ITF2, ITF2, IFDFW, IE, IDSTAB, IDEBOPTO 047
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660 J=13NG

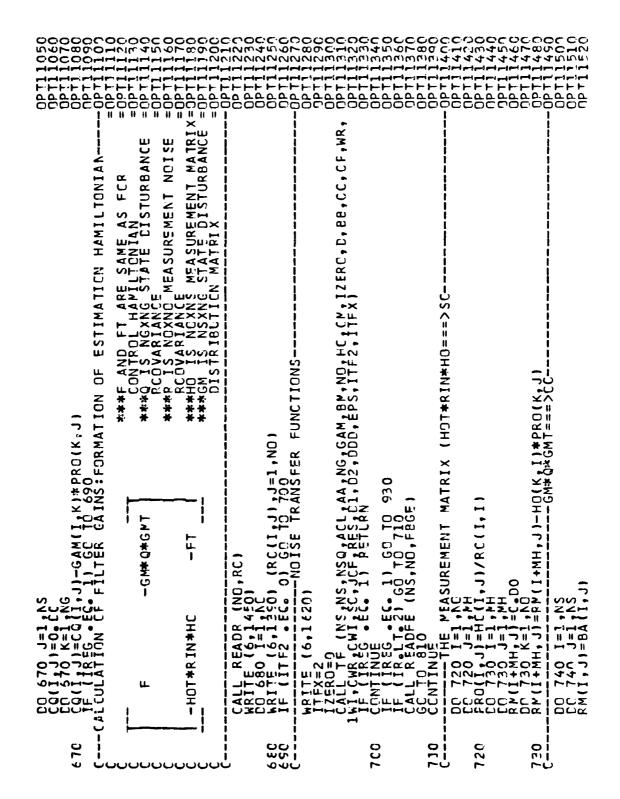
660 J=13NG

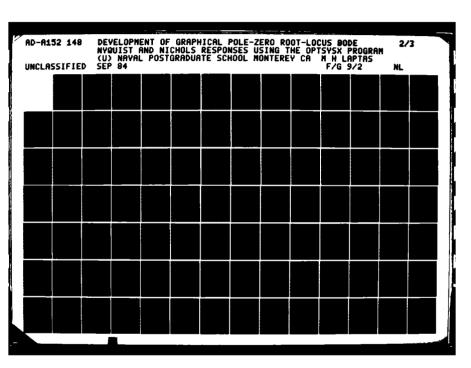
(i 3 J = 0 0 0

660 K=1 hG

(i 3 J = PRC(I, J) + G(I, K) * GAM(J, K)

570 I=13NS
                                                                                                            350) (GAM(I, J), J=1,NG)
1) GO TO 640
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SUM=50M=FBGE[1,K)*HD(K,J)

DO 1270 K=1,NC

CO[1,J]=AC[[1,J]-SUM

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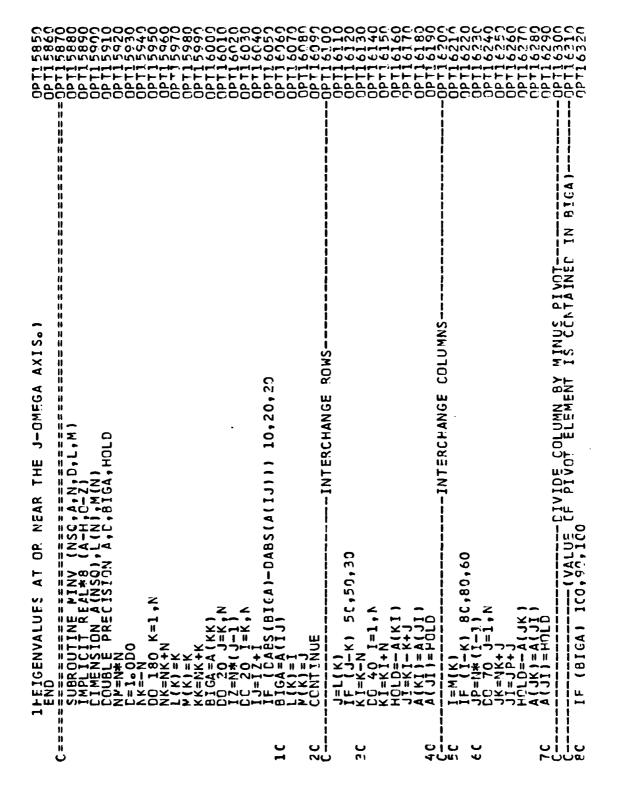
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	KNS+1)=FR-F 2	10 UE 8.NE.C) GO TO 249	I=1,NS J=	1=1 *NS	J=1,NS J)=-7CB(1,J) J)=TCE(1+NS,J) UE	INV (NSQ, WII, NS, DETC, LT, MI)	IL = 1,NS	JL)= GN [IL, JL)+W21(IL, KL) *W11 B= EC.C) RETURN I=1 •NS J=1 •NS	= wif(J,1) (1x,fih guler-lagrange E NEAR ZERO,/) (1x,49H guler-lagrange E
NA+1 = R R R R R R R R R R R R R R R R R R	1, KNS) = FR+FI 1, KNS+1) = FR-FI N+2	0 10 INUE NOB.NE.C) GO TO 249	20 I=1,NS 20 J=1,NS 1,J)=T(B(I,J+NS) 1,J)=H(I1,J)	20 I=1.NS 30 I=1.NS 30 J=1.NS 1, J) =TCE(I+NS, J+NS) NOB, EQ. C) GO TO 260	50 J=1 NS I+J)=-TCB(I+J) I+J)=TCE(I+NS+J) INUE	NS*NS (NSQ,WII,NS,DETC,LT,MT)	70 11=1,NS 70 JL=1,NS 70 JL=1,NS 70 JL=1,NS 70 KL=1,NS	L, JL) = GN(IL, JL) + W21(IL, KL) *W11 NOB, EC. C) RETURN 80 1=1, NS 80 J=1, NS	1) = wif(3,1) AT (1x, flh = ULER-LAGRANGE E AT (1x, 49H = ULER-LAGRANGE E AT (1x, 49H = ULER-LAGRANGE E
KN+1 1=RR (KN+1)=RI (NOBoNEOC) GO TO S=KN+NS 190 J=1,F =VF(J,K)	8(J, KNS) = FR+FI 8(J, KNS+1) = FR-FI = KN+2 K+2	TO 10 NTINUE (NOB.NE.C) GO TO 249	220 I=1,NS 220 J=1,NS 1(I,J)=TCE(I,J+NS) (I,J)=W11(I,J)	220 1=1,NS 230 J=1,NS 1(I,J)=1,NS 1(I,J)=TCE(I+NS,J+NS) (NOB-EQ-C) GO TO 260 250 I=1,NS	250 J=1,NS 1(1,J)=-TCB(1,J) 1(1,J)=TCE(1+NS,J) VTINUE	D=NS*NS LL MINV (NSQ, WII, NS, DETC, LT, MI)	270 IL=1,NS CALCOLA! THE KGAI 270 IL=1,NS (IL, JL) = 0,00 (IL, JL) = 0,00 (Z70 KL=1,NS	(TL,JL)=GN(TL,JL)+W21(IL,KL)*W11 (NOB=EG=C) RETURN 280 I=1,NS 280 J=1,NS	TURN TURN RMAT (1x, £1H EULER-LAGRANGE E H OR NEAR ZERO /)
(KN+1) = RR (KN+1) = RR	CB(J,KNS)=FR+FI CB(J,KNS+1)=FR-FI N=KN+2	OTO 10 ONTINUE F (NOB.NE.C) GO TO 249	0 220 J=1,NS 0 220 J=1,NS 11(1,J)=T(B(1,J+NS) T(I,J)=W11(I,J)	7 220 1=1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	C 250 J=1 NS 21 [1, J) = TCB(1, J) 11 [1, J) = TCE(1+NS, J) CNTINUE	SO=NS*NS ALL MINV (NSQ,WII,NS,DETC,LT,MT)	0 270 1L=1,NS CALCOLA := 1 NE KGAI 0 270 JL=1,NS N(IL, JL)=0,DO 0 270 KL=1,NS	N(TL, JL) = GN(TL, JL) + W21(IL, KL) *W11 F (NOB, EC, C) RÉTURN 7 280 1=1,NS 7 280 J=1,NS	T(I,J)=W11(J,I) ETURN SRMAT (1x,fIH FULER-LAGRANGE E AH OR NEAR ZERO./) SRMAT (1x,49H GULER-LAGRANGE E
KN+1 1=RR (KN+1)=RI (NOBoNEOC) GO TO S=KN+NS 190 J=1,F =VF(J,K)	CB(J,KNS)=FR+FI CB(J,KNS+1)=FR-FI N=KN+2	OTO 10 ONTINUE F (NOB.NE.C) GO TO 249	0 220 J=1,NS 0 220 J=1,NS 11(1,J)=T(B(1,J+NS) T(I,J)=W11(I,J)	7 220 1=1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	C 250 J=1 NS 21 [1, J) = TCB(1, J) 11 [1, J) = TCE(1+NS, J) CNTINUE	SO=NS*NS ALL MINV (NSQ,WII,NS,DETC,LT,MT)	0 270 1L=1,NS CALCOLA := 1 NE KGAI 0 270 JL=1,NS N(IL, JL)=0,DO 0 270 KL=1,NS	N(TL, JL) = GN(TL, JL) + W21(IL, KL) *W11 F (NOB, EC, C) RÉTURN 7 280 1=1,NS 7 280 J=1,NS	T(I,J)=W11(J,I) ETURN SRMAT (1x,fIH FULER-LAGRANGE E AH OR NEAR ZERO./) SRMAT (1x,49H GULER-LAGRANGE E
(KN+1) = RR (KN+1) = RR	CB(J,KNS)=FR+FI CB(J,KNS+1)=FR-FI N=KN+2	OTO 10 ONTINUE F (NOB.NE.C) GO TO 249	CO 220 I=1,NS CO 220 J=1,NS W11(I,J)=TCE(I,J+NS) C CT(I,J)=W11(I,J)	DO 230 1=1.NS CC 230 J=1.NS C N21(1,J)=TCE(1+NS,J+NS) O IF (NOB,EQ,C) GO TO 260 CC 250 I=1.NS	C 250 J=1 NS 21 [1, J) = TCB(1, J) 11 [1, J) = TCE(1+NS, J) CNTINUE	CALL MINV (NSQ, WII, NS, DETC, LT, MI)	DO 270 IL = 1,NS CALCOLATE THE KGAI DO 270 JL = 1,NS GN(IL, JL) = 0,D0 DO 270 KL = 1,NS	N(TL, JL) = GN(TL, JL) + W21(IL, KL) *W11 F (NOB, EC, C) RÉTURN 7 280 1=1,NS 7 280 J=1,NS	T(I,J)=W11(J,I) ETURN SRMAT (1x,fIH FULER-LAGRANGE E AH OR NEAR ZERO./) SRMAT (1x,49H GULER-LAGRANGE E



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WNORMI U-INVERSE 2*CONGUGATE OF LEFT EIGENVECTORS

STORED BY ROW IN REAL FORM

NSQ, DDC, DI, DZ — ARGUMENTS PASSED TO MINV

IMPLICIT REAL*8 (A-H, DZ)

IMPLICIT REAL*8 (A-H, DZ)

CIMENS 10N k2 (NS) WY (NS) YEC(NS, NS) WNORMI(NS, NS) WNORMI(NS) DI (NS) DZ (NS) FFT (14) HO(NI, NZ) CM (NI, NZ)

CATA FIELD/FFEIZ-S/COMMA/SH, ',',', SEMCOL/FH, ".,', NRIGHT."
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SUBROUTINE CNORM (WZ,WY,VEC,NS,IWRITE,NSC,DDD,D1,D'

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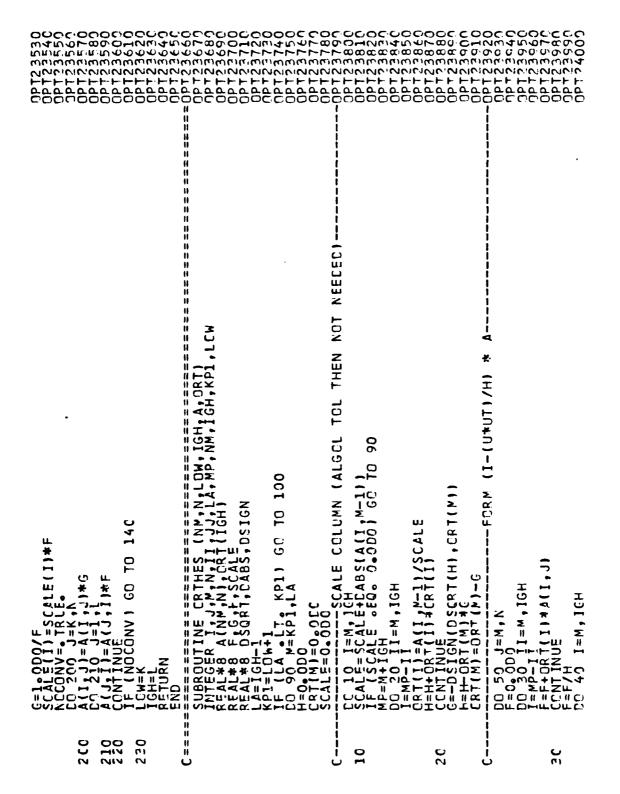
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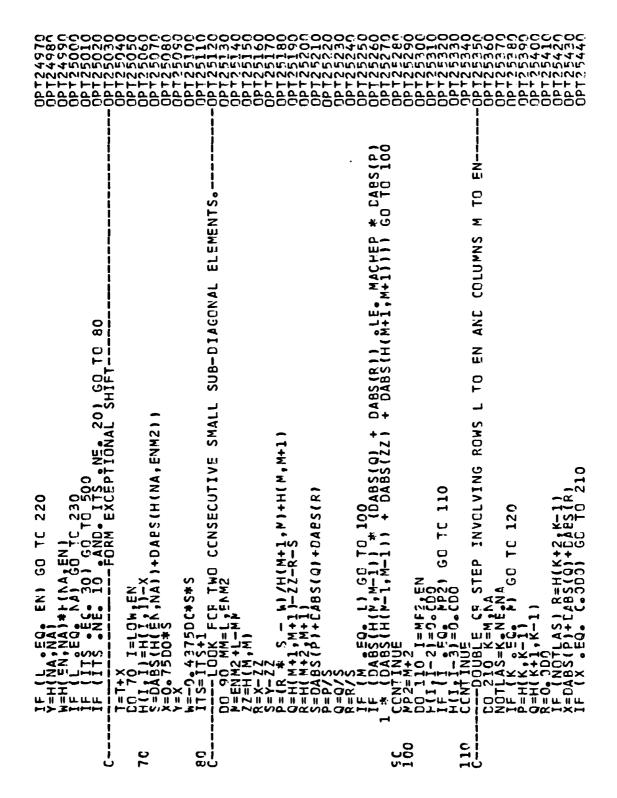
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CALL RCHAR (IANS)

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WRITE (5,140)

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IF (IANS EC IZ) GO TC 90

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## APPENDIX C OPTGRAPH PROGRAM LISTING

This portion of the thesis contains the OPTGRAPH FORTRAN program (54 pages).

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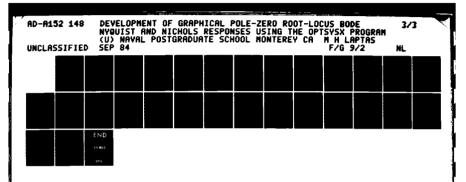
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APPENDIX D OPGRAPH LISTING

This portion of the thesis contains a sample of tabular output sent to a disk (OPGRAPH LISTING)

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- 1. Hall, W. E. Computational Methods for the Synthesis of Rotary-Wing VTOL Aircraft Control Systems, Ph.D. Dissertation, Stanford Univ., Aug. 1971.
- 2. Walker, R. A., <u>User's Manual for OPTSYS 4 at SCIP</u>, Stanford Univ., Aero/Astro Dept., Dec. 1979.
- 3. Liu, G., <u>User's Manual for OPTSYS 5 at CIT</u>, Stanford Univ., Aero/Astro Dept., Aug. 1982.
- 4. Hoden, J. G., <u>Interactive Implementation of the Optimal Systems Control Design Program (OPTSYSX) on the IBM/3033</u>, MS Thesis, Naval Postgraduate School, Monterey CA.
- 5. Diel, H. A., <u>Development of Graphical Time Response</u>
 using the <u>OPISYSX Program</u>, MS Thesis, Naval
 Postgraduate School, Monterey CA.
- 6. Bryson, A. E. and Ho, Y. C., <u>Applied Optimal Control</u>, Hemisphere Pub. Co., 1969, (2nd Printing, 1975).
- 7. Research and Educational Association, <u>Problem Solver</u> in <u>Automatic Centrol Systems/Robotics</u>, 1982.
- 8. Kwakernaak, H. and Sivan, R., <u>Linear Optimal Control Systems</u>, Wiley-Interscience, 1972.

BIBLIOGRAPHY

D'Azzo, J.J. and Houpis, C.H., <u>Linear Control System Analysis and Design</u>: <u>Conventional and Modern</u>, McGraw-Hill, 1981.

Distefanc III, J.J., Stubberud, A.R., and Williams, I.J., Feedback and Control Systems, Schaum's Outline Series, McGraw-Hill, 1967.

Lipschutz, S. and Poe, A., <u>Programming with</u> <u>FORTRAN</u>, Schaum's Outline Series, McGraw-Hill, 1978.

Melsa, J.I. and Jones, S.K., Computer Programs for Computational Assistance in the Study of Linear Control Theory, McGraw-Hill, 1973.

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